

RAW SEQUENCE LISTING

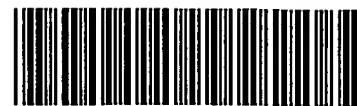
**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/938,703B

Source: _____

Date Processed by STIC: _____

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 04/20/2005

PATENT APPLICATION: US/09/938,703B

TIME: 12:35:41

Input Set : N:\Cr3\RULE60\09938703B.raw.txt

Output Set: N:\CRF4\04202005\I938703B.raw

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1 <110> APPLICANT: Euroscreen S.A.
2     SAMSON, Michel
3     PARMENTIER, Marc
4     VASSART, Gilbert
5     LIBERT, Frederick
6 <120> TITLE OF INVENTION: Methods for Identifying Compounds which Bind the Active CCR5
Chemokine
7     Receptor
8 <130> FILE REFERENCE: 9409/2023C
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/938,703B
10 <141> CURRENT FILING DATE: 2001-08-24
11 <150> PRIOR APPLICATION NUMBER: US/09/939,226
12 <151> PRIOR FILING DATE: 2001-08-24
13 <150> PRIOR APPLICATION NUMBER: US 08/833,752
14 <151> PRIOR FILING DATE: 1997-04-09
15 <150> PRIOR APPLICATION NUMBER: US 09/626,939
16 <151> PRIOR FILING DATE: 2000-07-27
17 <150> PRIOR APPLICATION NUMBER: US 08/810,028
18 <151> PRIOR FILING DATE: 1997-03-04
19 <160> NUMBER OF SEQ ID NOS: 18
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 792
24 <212> TYPE: DNA
25 <213> ORGANISM: Homo sapiens
26 <400> SEQUENCE: 1
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28     tcccttcact acaaaacttc attgcttggc caaaaagaga gttaattcaa tgtagacatc      120
29     tatgtaggca attaaaaacc tattgatgta taaaacagtt tgcattcatg gagggcaact      180
30     aaatacattc taggacttta taaaagatca ctttttattt atgcacaggg tggaacaaga      240
31     tggattatca agtgtcaagt ccaatctatg acatcaatta ttatacatcg gagccctgcc      300
32     aaaaaatcaa tgtgaagcaa atcgagccc gctcctgcc tccgctctac tactgggtgt      360
33     tcatctttgg ttttgtgggc aacatgctgg tcatcctcat cctgataaac tgcaaaaggc      420
34     tgaagagcat gactgacatc tacctgctca acctggccat ctctgacctg ttttctcttc      480
35     ttactgtccc cttctgggct cactatgctg ccgcccagtg ggactttgga aatacaatgt      540
36     gtcaactctt gacagggtc tattttatag gcttcttctc tggaatcttc ttcacatcc      600
37     tcctgacaat cgataggtac ctggctgtcg tccatgctgt gtttgcttta aaagccagga      660
38     cggtcacctt tgggggtggtg acaagtgtga tcacttgggt ggtggctgtg tttgcgtctc      720
39     tcccaggaat catctttacc agatctcaaa aagaaggctc tcattacacc tgcagctctc      780
40     attttccata ca                                     792
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 1477
44 <212> TYPE: DNA
45 <213> ORGANISM: Homo sapiens

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47 <221> NAME/KEY: misc_feature
48 <222> LOCATION: (1377)..(1377)
49 <223> OTHER INFORMATION: Any nucleotide
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52 <222> LOCATION: (1384)..(1385)
53 <223> OTHER INFORMATION: Any nucleotide
54 <400> SEQUENCE: 2
55      gaattccccc aacagagcca agctctccat ctagtggaca ggggaagctag cagcaaacct      60
56      tcccttcact acaaaaacttc attgcttggc caaaaagaga gttaattcaa tgtagacatc      120
57      tatgtaggca attaaaaacc tattgatgta taaaacagtt tgcattcatg gagggcaact      180
58      aaatacatc taggacttta taaaagatca ctttttattt atgcacaggg tggacaaga      240
59      tggattatca agtgtcaagt ccaatctatg acatcaatta ttatacatcg gagccctgcc      300
60      aaaaaatcaa tgtgaagcaa atcgcagccc gcctcctgcc tccgctctac tcaactggtgt      360
61      tcatctttgg ttttgtgggc aacatgctgg tcatcctcat cctgataaac tgcaaaaggc      420
62      tgaagagcat gactgacatc tacctgctca acctggccat ctctgacctg tttttccttc      480
63      ttactgtccc cttctgggct cactatgctg ccgccagtg ggactttgga aatacaatgt      540
64      gtcaactctt gacagggctc tattttatag gcttcttctc tggaaatctt ttcacatcc      600
65      tccgtacaat cgataggtac ctggctgtcg tccatgctgt gtttgcttta aaagccagga      660
66      cggtcacctt tgggggtggtg acaagtgtga tcacttgggt ggtggctgtg tttgcgtctc      720
67      tcccaggaat catctttacc agatctcaaa aagaaggctc tcattacacc tgcagctctc      780
68      attttccata cagtcagtat caattctgga agaatttcca gacattaaag atagtcattc      840
69      tggggctggt cctgccgctg cttgtcatgg tcatctgcta ctcggaatc ctaaaaactc      900
70      tgcttcggtg tcgaaatgag aagaagaggg acagggctgt gaggcttatc ttcaccatca      960
71      tgattgttta ttttctcttc tgggctccct acaacattgt ccttctcctg aacaccttcc      1020
72      aggaattctt tggcctgaat aattgcagta gctctaacag gttggacca gctatgcagg      1080
73      tgacagagac tcttgggatg acgcactgct gcatcaaccc catcatctat gcctttgtcg      1140
74      gggagaagtt cagaaactac ctcttagtct tcttccaaa gcacattgcc aaacgcttct      1200
75      gcaaatgctg ttctattttc cagcaagagg ctcccagcg agcaagctca gtttacaccc      1260
76      gatccactgg ggagcaggaa atatctgtgg gcttgtgaca cggactcaag tgggctggtg      1320
W--> 77      accagtcag agttgtgcac atggcttagt tttcatacac agcctgggct gggggtnngt      1380
78      tggnnagagt cttttttaa aggaagttac tgttatagag ggtctaagat tcatccattt      1440
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81 <210> SEQ ID NO: 3
82 <211> LENGTH: 1442
83 <212> TYPE: DNA
84 <213> ORGANISM: Homo sapiens
85 <400> SEQUENCE: 3
86      gaattccccc aacagagcca agctctccat ctagtggaca ggggaagctag cagcaaacct      60
87      tcccttcact acaaaaacttc attgcttggc caaaaagaga gttaattcaa tgtagacatc      120
88      tatgtaggca attaaaaacc tattgatgta taaaacagtt tgcattcatg gagggcaact      180
89      aaatacatc taggacttta taaaagatca ctttttattt atgcacaggg tggacaaga      240
90      tggattatca agtgtcaagt ccaatctatg acatcaatta ttatacatcg gagccctgcc      300
91      aaaaaatcaa tgtgaagcaa atcgcagccc gcctcctgcc tccgctctac tcaactggtgt      360
92      tcatctttgg ttttgtgggc aacatgctgg tcatcctcat cctgataaac tgcaaaaggc      420
93      tgaagagcat gactgacatc tacctgctca acctggccat ctctgacctg tttttccttc      480
94      ttactgtccc cttctgggct cactatgctg ccgccagtg ggactttgga aatacaatgt      540
95      gtcaactctt gacagggctc tattttatag gcttcttctc tggaaatctt ttcacatcc      600

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96      tcttgacaat cgataggtac ctggctgtcg tccatgctgt gtttgcttta aaagccagga      660
97      cggtcacctt tggggtggtg acaagtgtga tcaactgggt ggtggctgtg tttgcgtctc      720
98      tcccaggaat catctttacc agatctcaaa aagaaggtct tcattacacc tgcagctctc      780
99      attttccata cattaagat agtcattctg gggctggtcc tgccgctgct tgtcatggtc      840
100     atctgctact cggaatcct aaaaactctg cttcgggtgc gaaatgagaa gaagaggcac      900
101     agggctgtga ggcttatctt caccatcatg attgtttatt ttctcttctg ggctccctac      960
102     aacattgtcc ttctcctgaa caccttccag gaattctttg gcctgaataa ttgcagtagc     1020
103     tctaacaggt tggaccaagc tatgcaggtg acagagactc ttgggatgac gcaactgtgc     1080
104     atcaacccca tcatctatgc ctttgtcggg gagaagttca gaaactacct cttagtcttc     1140
105     ttccaaaagc acattgccaa acgcttctgc aaatgctgtt ctattttcca gcaagaggct     1200
106     cccgagcgag caagctcagt ttacaccgga tccactgggg agcaggaaat atctgtgggc     1260
107     ttgtgacacg gactcaagtg ggctgggtgac ccagtcagag ttgtgcacat ggcttagttt     1320
108     tcatacacag cctgggctgg ggggtggttg gaggtctttt taaaaggaa gttactgtta     1380
109     tagagggtct aagattcatc catttatttg gcatctgttt aaagtagatt agatccgaat     1440
110     tc                                                                                   1442

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112 <210> SEQ ID NO: 4

113 <211> LENGTH: 184

114 <212> TYPE: PRT

115 <213> ORGANISM: Homo sapiens

116 <400> SEQUENCE: 4

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117     Met Asp Tyr Gln Val Ser Ser Pro Ile Tyr Asp Ile Asn Tyr Tyr Thr
118     1          5          10          15
119     Ser Glu Pro Cys Gln Lys Ile Asn Val Lys Gln Ile Ala Ala Arg Leu
120           20          25          30
121     Leu Pro Pro Leu Tyr Ser Leu Val Phe Ile Phe Gly Phe Val Gly Asn
122           35          40          45
123     Met Leu Val Ile Leu Ile Leu Ile Asn Cys Lys Arg Leu Lys Ser Met
124           50          55          60
125     Thr Asp Ile Tyr Leu Leu Asn Leu Ala Ile Ser Asp Leu Phe Phe Leu
126           65          70          75          80
127     Leu Thr Val Pro Phe Trp Ala His Tyr Ala Ala Ala Gln Trp Asp Phe
128           85          90          95
129     Gly Asn Thr Met Cys Gln Leu Leu Thr Gly Leu Tyr Phe Ile Gly Phe
130           100         105         110
131     Phe Ser Gly Ile Phe Phe Ile Ile Leu Leu Thr Ile Asp Arg Tyr Leu
132           115         120         125
133     Ala Val Val His Ala Val Phe Ala Leu Lys Ala Arg Thr Val Thr Phe
134           130         135         140
135     Gly Val Val Thr Ser Val Ile Thr Trp Val Val Ala Val Phe Ala Ser
136           145         150         155         160
137     Leu Pro Gly Ile Ile Phe Thr Arg Ser Gln Lys Glu Gly Leu His Tyr
138           165         170         175
139     Thr Cys Ser Ser His Phe Pro Tyr
140           180

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142 <210> SEQ ID NO: 5

143 <211> LENGTH: 352

144 <212> TYPE: PRT

145 <213> ORGANISM: Homo sapiens

146 <400> SEQUENCE: 5

RAW SEQUENCE LISTING

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147      Met Asp Tyr Gln Val Ser Ser Pro Ile Tyr Asp Ile Asn Tyr Tyr Thr
148      1              5              10              15
149      Ser Glu Pro Cys Gln Lys Ile Asn Val Lys Gln Ile Ala Ala Arg Leu
150      20              25              30
151      Leu Pro Pro Leu Tyr Ser Leu Val Phe Ile Phe Gly Phe Val Gly Asn
152      35              40              45
153      Met Leu Val Ile Leu Ile Leu Ile Asn Cys Lys Arg Leu Lys Ser Met
154      50              55              60
155      Thr Asp Ile Tyr Leu Leu Asn Leu Ala Ile Ser Asp Leu Phe Phe Leu
156      65              70              75              80
157      Leu Thr Val Pro Phe Trp Ala His Tyr Ala Ala Ala Gln Trp Asp Phe
158      85              90              95
159      Gly Asn Thr Met Cys Gln Leu Leu Thr Gly Leu Tyr Phe Ile Gly Phe
160      100             105             110
161      Phe Ser Gly Ile Phe Phe Ile Ile Leu Leu Thr Ile Asp Arg Tyr Leu
162      115             120             125
163      Ala Val Val His Ala Val Phe Ala Leu Lys Ala Arg Thr Val Thr Phe
164      130             135             140
165      Gly Val Val Thr Ser Val Ile Thr Trp Val Val Ala Val Phe Ala Ser
166      145             150             155             160
167      Leu Pro Gly Ile Ile Phe Thr Arg Ser Gln Lys Glu Gly Leu His Tyr
168      165             170             175
169      Thr Cys Ser Ser His Phe Pro Tyr Ser Gln Tyr Gln Phe Trp Lys Asn
170      180             185             190
171      Phe Gln Thr Leu Lys Ile Val Ile Leu Gly Leu Val Leu Pro Leu Leu
172      195             200             205
173      Val Met Val Ile Cys Tyr Ser Gly Ile Leu Lys Thr Leu Leu Arg Cys
174      210             215             220
175      Arg Asn Glu Lys Lys Arg His Arg Ala Val Arg Leu Ile Phe Thr Ile
176      225             230             235             240
177      Met Ile Val Tyr Phe Leu Phe Trp Ala Pro Tyr Asn Ile Val Leu Leu
178      245             250             255
179      Leu Asn Thr Phe Gln Glu Phe Phe Gly Leu Asn Asn Cys Ser Ser Ser
180      260             265             270
181      Asn Arg Leu Asp Gln Ala Met Gln Val Thr Glu Thr Leu Gly Met Thr
182      275             280             285
183      His Cys Cys Ile Asn Pro Ile Ile Tyr Ala Phe Val Gly Glu Lys Phe
184      290             295             300
185      Arg Asn Tyr Leu Leu Val Phe Phe Gln Lys His Ile Ala Lys Arg Phe
186      305             310             315             320
187      Cys Lys Cys Cys Ser Ile Phe Gln Gln Glu Ala Pro Glu Arg Ala Ser
188      325             330             335
189      Ser Val Tyr Thr Arg Ser Thr Gly Glu Gln Glu Ile Ser Val Gly Leu
190      340             345             350
192 <210> SEQ ID NO: 6
193 <211> LENGTH: 215
194 <212> TYPE: PRT
195 <213> ORGANISM: Homo sapiens
196 <400> SEQUENCE: 6

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Output Set: N:\CRF4\04202005\I938703B.raw

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197 Met Asp Tyr Gln Val Ser Ser Pro Ile Tyr Asp Ile Asn Tyr Tyr Thr
198 1 5 10 15
199 Ser Glu Pro Cys Gln Lys Ile Asn Val Lys Gln Ile Ala Ala Arg Leu
200 20 25 30
201 Leu Pro Pro Leu Tyr Ser Leu Val Phe Ile Phe Gly Phe Val Gly Asn
202 35 40 45
203 Met Leu Val Ile Leu Ile Leu Ile Asn Cys Lys Arg Leu Lys Ser Met
204 50 55 60
205 Thr Asp Ile Tyr Leu Leu Asn Leu Ala Ile Ser Asp Leu Phe Phe Leu
206 65 70 75 80
207 Leu Thr Val Pro Phe Trp Ala His Tyr Ala Ala Ala Gln Trp Asp Phe
208 85 90 95
209 Gly Asn Thr Met Cys Gln Leu Leu Thr Gly Leu Tyr Phe Ile Gly Phe
210 100 105 110
211 Phe Ser Gly Ile Phe Phe Ile Ile Leu Leu Thr Ile Asp Arg Tyr Leu
212 115 120 125
213 Ala Val Val His Ala Val Phe Ala Leu Lys Ala Arg Thr Val Thr Phe
214 130 135 140
215 Gly Val Val Thr Ser Val Ile Thr Trp Val Val Ala Val Phe Ala Ser
216 145 150 155 160
217 Leu Pro Gly Ile Ile Phe Thr Arg Ser Gln Lys Glu Gly Leu His Tyr
218 165 170 175
219 Thr Cys Ser Ser His Phe Pro Tyr Ile Lys Asp Ser His Leu Gly Ala
220 180 185 190
221 Gly Pro Ala Ala Ala Cys His Gly His Leu Leu Leu Gly Asn Pro Lys
222 195 200 205
223 Asn Ser Ala Ser Val Ser Lys
224 210 215

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226 <210> SEQ ID NO: 7

227 <211> LENGTH: 360

228 <212> TYPE: PRT

229 <213> ORGANISM: Homo sapiens

230 <220> FEATURE:

231 <221> NAME/KEY: MISC_FEATURE

232 <222> LOCATION: (325)..(327)

233 <223> OTHER INFORMATION: Xaa = any amino acid

234 <400> SEQUENCE: 7

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236 1 5 10 15
237 Gly Glu Glu Val Thr Thr Phe Phe Asp Tyr Asp Tyr Gly Ala Pro Cys
238 20 25 30
239 His Lys Phe Asp Val Lys Gln Ile Gly Ala Gln Leu Leu Pro Pro Leu
240 35 40 45
241 Tyr Ser Leu Val Phe Ile Phe Gly Phe Val Gly Asn Met Leu Val Val
242 50 55 60
243 Leu Ile Leu Ile Asn Cys Lys Lys Leu Lys Cys Leu Thr Asp Ile Tyr
244 65 70 75 80
245 Leu Leu Asn Leu Ala Ile Ser Asp Leu Leu Phe Ile Ile Thr Leu Pro
246 85 90 95

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/20/2005
PATENT APPLICATION: US/09/938,703B TIME: 12:35:42

Input Set : N:\CrF3\RULE60\09938703B.raw.txt
Output Set: N:\CRF4\04202005\I938703B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1377,1384,1385
Seq#:7; Xaa Pos. 325,326,327
Seq#:8; Xaa Pos. 231,232,233,333,334,335
Seq#:10; Xaa Pos. 145,146,147,321,322,323

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6
Seq#:14; Line(s) 494
Seq#:15; Line(s) 506

VERIFICATION SUMMARY

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Input Set : N:\Crf3\RULE60\09938703B.raw.txt

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L:9 M:270 C: Current Application Number differs, Wrong Format
 L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1320
 M:341 Repeated in SeqNo=2
 L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:320
 L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:224
 M:341 Repeated in SeqNo=8
 L:425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:144
 M:341 Repeated in SeqNo=10